Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/18/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123989	-1	1.21	123847	1.20
Blue	F	SSC	125000	123461	-2	2.56	123729	2.35
Blue	E	FITC	13131	12810	-3	2.17	294	15.83
Blue	D	PE	24112	23979	-1	1.61	549	10.42
Blue	B	PerCP-Cy5-5	31295	30598	-3	3.00	1013	14.43
Blue	A	PE-Cy7	19939	19674	-2	5.17	524	27.87
Red	C	APC	42122	40957	-3	3.07	1716	11.45
Red	A	APC-Cy7	22340	21746	-3	3.41	814	11.83
Violet	B	V450	7410	6987	-6	3.78	425	12.55
Violet	A	V500	28118	26881	-5	3.36	672	10.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23011	1.22	562	-7	N/A	N/A	Pass
Blue	F	SSC	57770	1.11	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	484	-3	0.0391	87	Pass
Blue	D	PE	115	36.61	487	-1	0.4883	372	Pass
Blue	B	PerCP-Cy5-5	190	34.56	582	-4	0.0198	25	Pass
Blue	A	PE-Cy7	105	66.12	624	-4	0.0244	6	Pass
Red	C	APC	398	24.18	580	4	0.0280	206	Pass
Red	A	APC-Cy7	181	27.05	555	4	0.0059	594	Pass
Violet	B	V450	59	64.34	455	2	0.0649	2528	Pass
Violet	A	V500	98	34.08	467	2	0.0234	679	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.55	1.13
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.02	13.60 - 20.40	N/A	N/A	29.87	30.14	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 13643

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments